

KGIS View Data Layers

Spatial Attributes and Tabular Data Definitions

In order to take advantage of all KGIS programming the following twelve layers must be present in the view. The themes are listed here in drawing order (Township/Range is drawn first, so this theme is located at the bottom of the Table of Contents). All themes must be named exactly as described. Not all themes are visible at the same time. The view should be zoomed to the full extent of the County Boundary theme, with this as the only visible layer, when the project is saved. The fields described here for each theme are required for KGIS, more fields may be included in a county's version of this program, but these listed fields must be present, of this type & length, and named as indicated. ^L indicates the label field for each theme.

1. TOWNSHIP/RANGE

This is a reference theme for Rosemary Neal's Image Navigator extension.

Field Name	Type	Length	Decimal
Shape	POLY	8	0
MTR	CHAR	7	0

2. COUNTY BOUNDARY

This theme is used only as a visual reference at the beginning of the program.

Field Name	Type	Length	Decimal
Shape	POLY	8	0
NAME	CHAR	15	0

3. PRINT_REF

This theme is a copy of the LY Crops theme and is visible only when printing an atlas. This theme is included in each map as a visual reference for the growers.

Field Name	Type	Length	Decimal
Shape	POLY	8	0
PMT_SITE	CHAR	15	0

4. SECTIONS

The user queries the STR field in this theme when moving from section to section in the view.

Field Name	Type	Length	Decimal
Shape	POLY	8	0
MTR	CHAR	7	0
STR	CHAR	6	0
SEC ^L	CHAR	2	0

5. SENSITIVE2

This theme represents sensitive areas with a “no drift” restriction. These polygons are not buffered.

Field Name	Type	Length	Decimal
Shape	POLY	8	0
NAME ^L	CHAR	30	0
CLASS	CHAR	15	0

6. SENSITIVE

This theme represents sensitive areas with a restricted materials application buffer around the perimeter. The CLASS field determines the color of the buffer ring created when a permitted site is impacted by one of these sensitive areas.

Field Name	Type	Length	Decimal
Shape	POLY	8	0
NAME ^L	CHAR	30	0
CLASS	CHAR	15	0

7. LY CROPS

This theme represents the last permitted site information for the previous year's crops. Just before permitting season each year this theme is created from the most recent CY Crops theme. Because this theme is static the last three fields are added to enhance the ID tool feature. This layer must not contain any overlapping polygons. See the *Administrator* section for information on checking for overlapping polygons.

Field Name	Type	Length	Decimal
Shape	POLY	8	0
PERMIT ^L	CHAR	7	0
SITEID ^L	CHAR	8	0
DT_ACT	DATE	8	0
P_STATUS	CHAR	1	0
S_STATUS	CHAR	1	0
COMM	CHAR	15	0
PERMITTEE	CHAR	30	0
ACRES	DECIMAL	5	2

8. CY CROPS

The Current Year Crops theme is the working layer for this year's permitting process. This layer is built one polygon at a time as permits and supplements are issued throughout the year.

Field Name	Type	Length	Decimal
Shape	POLY	8	0
PERMIT ^L	CHAR	7	0
SITEID ^L	CHAR	8	0
DT_ACT	DATE	8	0
OP_ACT	CHAR	3	0
DT_INACT	DATE	8	0
OP_INACT	CHAR	3	0
P_STATUS	CHAR	1	0
S_STATUS	CHAR	1	0
COMM_CD	CHAR	15	0
PMT_SITE	CHAR	15	0

9. STREETS

This theme is used during almost every KGIS process. The TYPE field is used to differentiate between road sizes with application of the streets.avl. This helps orient the biologist and grower on the view. The administrator can speed up screen redraws by making sure this layer does not contain any useless line features.

Field Name	Type	Length	Decimal
Shape	LINE	9	0
NAME ^L	CHAR	30	0
TYPE	CHAR	3	0

10. GRID

This theme is derived from the Section theme. Each grid represents a four section area of the county and one printed map. The grids are numbered sequentially starting in the NW corner of the county and working SE. This polygon layer will have to be created in each county. Four square miles works best in Kern, but other counties may increase or decrease the size of the grids to best suit their agricultural practices. This layer is used to establish the number of maps to print, the order in which they will be printed, and some of the attribute information for each map. Once the grids have been created this theme must be re-indexed in the desired map order because the VTab from an SrcName.Make table cannot be sorted. See the *Administrator* section for re-indexing information. Data contained in fields 2, 3, and 4 are used to fill in the atlas template as the biologist generates each map.

Field Name	Type	Length	Decimal
Shape	POLY	8	0
RANK	CHAR	4	0
TR_LABEL	CHAR	15	0
SECTIONS	CHAR	15	0

11. BUFFER

This theme is viewed only during atlas generation. To create this theme select one class at a time in the SENSITIVE theme and buffer the selected features, dissolving the barriers. Do this for each class in the theme. Then merge all of the generated themes together to create the BUFFER theme. This creates a much cleaner buffer layer for atlas generation. Remember, if the SENSITIVE theme is changed in any way the buffers for the altered class must be recreated and used in the BUFFER theme. This theme works as a visual aid for everyone working on a particular piece of property. Generated maps include all restricted land in the area.

Field Name	Type	Length	Decimal
Shape	POLY	8	0
S_TYPE	CHAR	15	0
BUFF_DIS	DECIMAL	4	2

12. WATERWAYS

This is a reference theme to help orient the biologist and grower in the view. The administrator can speed up screen redraws by making sure this layer does not contain any useless line features.

Field Name	Type	Length	Decimal
Shape	LINE	9	0
NAME ^L	CHAR	30	0